

# Converting Colors

$Yxy(91.5309, 0.4147, 0.5089)$

Have a look what the booklet for  
Yxy(91.5309, 0.4147, 0.5089)  
contains.

<b>Yxy(91.4765, 0.4145, 0.5091)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(91.4765, 0.4145, 0.5091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FF00
RGB	248, 255, 0
RGB Percent	97%, 100%, 0%
CMY	0.0273, 0.0000, 1.0000
CMYK	0.03, 0.00, 1.00, 0.00
HSL	62°, 100%, 50%
HSV	62°, 100%, 100%
XYZ	74.4785, 91.4765, 13.7278
YIQ	223.8370, 77.6830, -80.7890

# Conversions

## Conversions Part 2

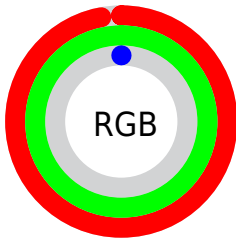
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 255, 7
Decimal	16318208
CIELab	96.61, -24.41, 93.86
CIELCh	97, 96.983, 104.575
Yxy	91.4765, 0.4145, 0.5091
Android (android.graphics.Color)	4294508288 (0xFFFF8FF00)
YUV	223.8370, -110.3516, 21.1910
Hunter-Lab	95.6433, -28.3760, 58.4404

# Details

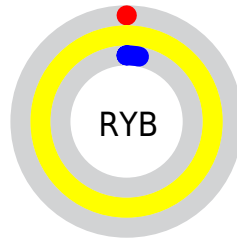
The Yxy color **91.4765, 0.4145, 0.5091** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.2649, 0.1506, 0.0603**, and the grayscale version is **75.1868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **51.4116, 0.4088, 0.5136** is the 20% darker color. If you saturate the color by 10%, you get **91.4809, 0.4145, 0.5091**, and if you desaturate by 10%, it is **91.6810, 0.4132, 0.5057**.

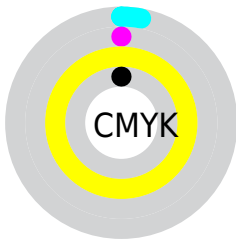
# Distribution



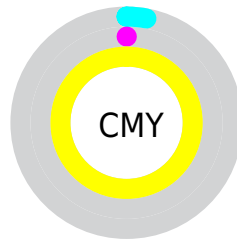
- Red (97%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (3%)



- Cyan (3%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.4765, 0.4145, 0.5091 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 91.4765, 0.4145, 0.5091 by changing the saturation by 10% instead.




 91.4765, 0.4145,  
0.5091


 91.4765, 0.4145,  
0.5091


532.8222, 0.3798,  
0.4350

 69.2059, 0.4188,  
0.5224


 149.3876, 0.4054,  
0.4862

 50.8794, 0.4223,  
0.5368

 185.7969, 0.4010,  
0.4764

 36.1126, 0.4241,  
0.5521


 227.6880, 0.3968,  
0.4676

 24.5212, 0.4243,  
0.5696

 275.4451, 0.3929,  
0.4597

 15.7207, 0.4170,  
0.5830

 329.4526, 0.3892,  
0.4526

 9.3267, 0.4031,  
0.5969


 390.0951, 0.3858,


 4.9549, 0.3826,

0.4462

0.6174


457.7568, 0.3827,  
0.4403


 2.2208, 0.3491,  
0.6509

 0.7313, 0.1196,  
0.8804


 91.4765, 0.4145,  
0.5091


 91.4765, 0.4145,  
0.5091


 91.4809, 0.4145,  
0.5091


 91.6810, 0.4132,  
0.5057


 91.9758, 0.4097,  
0.4986


 92.3942, 0.4036,  
0.4871


 92.9538, 0.3948,  
0.4713

 93.6695, 0.3838,  
0.4516

 94.5540, 0.3709,  
0.4291

 95.6191, 0.3568,  
0.4046

 96.8753, 0.3420,  
0.3792

 98.3323, 0.3272,  
0.3538

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4765, 0.4908, 0.4421



91.4765, 0.4145, 0.5091



91.4765, 0.3187, 0.5277

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.4765, 0.4145, 0.5091



91.4765, 0.1400, 0.2335



91.4765, 0.3843, 0.2384

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



91.4765, 0.4145, 0.5091



7.2649, 0.1506, 0.0603

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.4765, 0.2751, 0.1952



91.4765, 0.4145, 0.5091



91.4765, 0.1509, 0.1870

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.4765, 0.4145, 0.5091



91.4765, 0.1634, 0.3276



91.4765, 0.1947, 0.1768



91.4765, 0.4832, 0.2991



# Rectangle

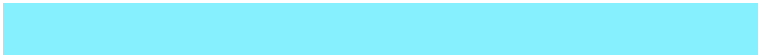
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.4765, 0.4145, 0.5091



91.4765, 0.2551, 0.4876



91.4765, 0.1947, 0.1768



91.4765, 0.3464, 0.2215

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



91.4809, 0.4145, 0.5091



95.6200, 0.3568, 0.4046



21.3521, 0.6393, 0.3306



20.3656, 0.3628, 0.4151



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.4809, 0.4145, 0.5091



91.4818, 0.4145, 0.5091



75.7487, 0.3330, 0.5738



21.0639, 0.3265, 0.3525



47.8126, 0.4146, 0.5090



4.6630, 0.4151, 0.5086



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7.2649, 0.1506, 0.0603



7.2650, 0.1506, 0.0603



12.1053, 0.2037, 0.0896



17.4014, 0.2983, 0.3044



3.8063, 0.1508, 0.0604

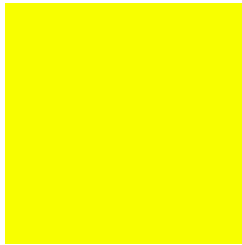


0.3786, 0.1527, 0.0615



# Previews

## White Background



This preview shows how the Yxy color 91.4765, 0.4145, 0.5091 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

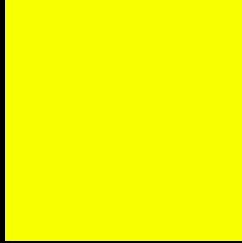
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.4765, 0.4145, 0.5091 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.4765, 0.4145, 0.5091**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.4765, 0.4145, 0.5091.

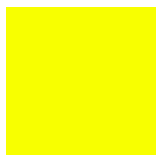


This preview shows how white text looks on a background with the Yxy color 91.4765, 0.4145, 0.5091.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



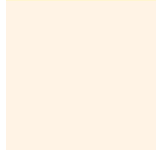
### Original Color

91.4765, 0.4145, 0.5091



### Protanopia

91.1189, 0.3423, 0.3657



### Deuteranopia

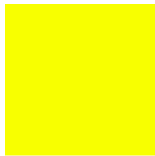
91.0183, 0.3293, 0.3428



## Tritanopia

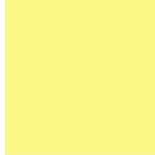
91.0727, 0.3164, 0.3203

# Trichromacy



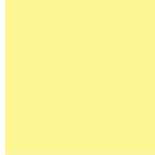
## Original Color

91.4765, 0.4145, 0.5091



## Protanomaly

90.1128, 0.3844, 0.4430



## Deuteranomaly

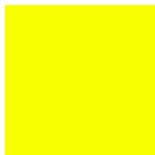
89.2923, 0.3775, 0.4289



## Tritanomaly

89.1102, 0.3703, 0.4158

# Monochromacy



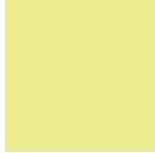
## Original Color

91.4765, 0.4145, 0.5091



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

78.7235, 0.3699, 0.4265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.4765, 0.4145, 0.5091 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(248, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(248, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 91.4765, 0.4145, 0.5091 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(248, 255, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(248, 255, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(248, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.4765, 0.4145, 0.5091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(248,  
255, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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